

## HISTORIC AMERICAN ENGINEERING RECORD

### INDEX TO PHOTOGRAPHS

HAER No. CA-224

Southern Pacific Railroad Shasta Route, Bridge Number 324.99  
(Southern Pacific Railroad Shasta Route, Sacramento River 16th Crossing)  
Milepost 324.99  
Shasta Springs vicinity  
Siskiyou County  
California

For written information regarding the Shasta Route, please refer to Southern Pacific Railroad Shasta Route (HAER No. CA-220). Note also that all directional references to the bridge are given in Southern Pacific Railroad terminology. Headquartered in San Francisco, the S.P. considered all trains heading *away* from San Francisco to be eastbound, all trains heading *toward* San Francisco to be westbound, regardless of actual cardinal direction. Thus a train heading north from Los Angeles to Portland would be westbound until it passed San Francisco, at which time it would become eastbound. Similarly, the railroad referred to all tunnels and other structures along its lines in the same fashion, with tunnels always having west and east portals. Direction of view in the captions will indicate cardinal direction.

Documentation: 10 photographs (1997)  
3 photocopies of historic plans

Ed Andersen, Photographer  
John Snyder, Field Director

### PHOTOGRAPHS

- CA-224-1 West portal of Bridge Number 324.99, contextual view to north-northeast, 210mm lens.
- CA-224-2 West portal of Bridge Number 324.99, view to north-northeast, 210mm lens.
- CA-224-3 Axial view of Bridge Number 324.99 from mid-span, view to north-northeast, 135mm lens.
- CA-224-4 Oblique view of upstream side of Bridge Number 324.99, view to northeast, 90mm lens. Heavy vegetation cover, steep banks, and lack of streamside footing precluded full elevation views of the upstream and downstream sides of this bridge.
- CA-224-5 East portal of Bridge Number 324.99, contextual view to south, 135mm lens.
- CA-224-6 East portal of Bridge Number 324.99, view to south-southwest.
- CA-224-7 Oblique view of downstream side of Bridge Number 324.99, contextual view to north-northwest, 135mm lens.

**Southern Pacific Railroad Shasta Route, Bridge Number 324.99**

**HAER No. CA-224**

**Index to Photographs (page 2)**

- CA-224-8 Oblique view of downstream side of Bridge Number 324.99, view to north-northwest, 135mm lens.
- CA-224-9 Downstream side of Bridge Number 324.99, showing west end, view to west, 90mm lens.
- CA-224-10 Detail, lower chord connection, Bridge Number 324.99, view to northeast, 210mm lens. Visible are the two lines of eyebars that form the lower chord, with a laced vertical intermediate post, paired diagonals at right, and a single counter at left.

**PHOTOCOPIES OF HISTORIC PLANS** (Original plans are held by Union Pacific Railroad, 1416 Dodge Street, Omaha, Nebraska.)

- CA-224-11 "Southern Pacific Company - Pacific System, 1 - 180'-1/4' c. to c. End Pins S. Tr. Thro. Span, 16th crossing Sacramento River, The Phoenix Bridge Co., Phoenixville, Pa., Apr. 25th 1901."
- CA-224-12 "Erection Plan, 1 - 180'-0-1/4" c. to c. End Pins Sing. Tr. Thro' Span, 16th Crossing over Sacramento River, Pacific System, Southern Pacific Co., Phoenix Bridge Co., C.O. #842, Drawing #13, Scale 1/8" & 1" = 1'-0", Eng'r C. Scheidl, Draftsman D. Sharp, Scale 1" = 1'-0", May 1st 1901."
- CA-224-13 "Portal and Transverse Bracing, 1 - 180'-0-1/4" c. to c. end pins S. Tr. Thro. Truss Span, 16th Crossing Sacramento River, Sacramento Division, So. Pac. Co., The Phoenix Bridge Co., C.O. #842, Draw #6, Engineer C. Scheidl, Draftsman Hermanns, Scale 1" = 1', Apr. 26, 1901."